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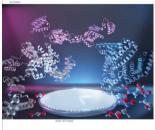
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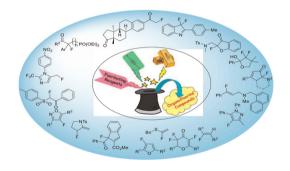


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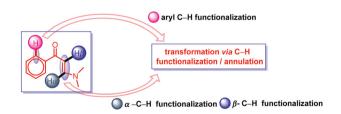
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# **EES Catalysis**



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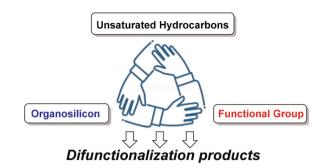
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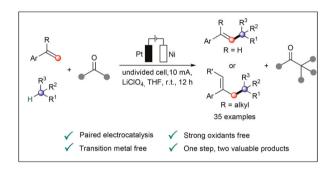


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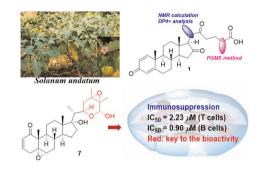
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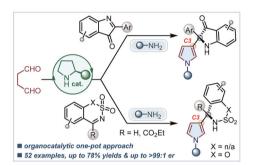
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- easy access to aryl fused-γ-sultams
- carboxylic acids as alkyl source
- olefin difunctionalization broad substrate scope

#### Synthesis of benzosultams via Aq(ı)-catalyzed alkylative cyclization of vinyl sulfonamides

Raju Dupud, Karthik Kumar Merugu, Remyachand R and Remya Ramesh\*

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SiMe<sub>3</sub>

R

N

E

$$1O_2$$

R

N

E

 $1O_2$ 

R

N

SiMe<sub>3</sub>

R

N

E

dioxetane

bond cleavage

MB

 $1.hv$ 
 $1.hv$ 

#### Photooxidative C-C double bond cleavage of β-enaminocarbonyl compounds: toward selective N-formylation of amines

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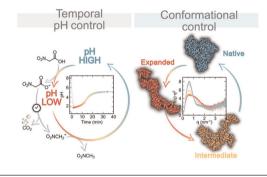
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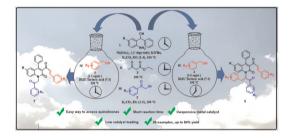
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Chiral Molecule

(9-14% yield)

- √ One-step cyclization
- highly selective assembly by substituent effect
- √ Suitable for various substituent
- R = methyl, ethyl, propyl, isobutyl

#### Chiral spherical aromatic amides: one-step synthesis and their stereochemical/chiroptical properties

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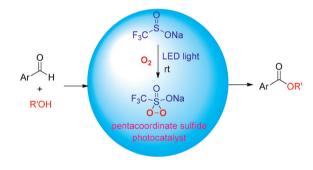
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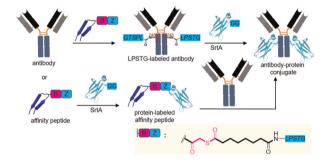
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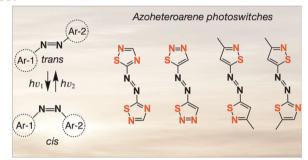
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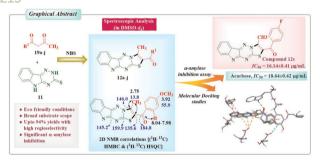
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